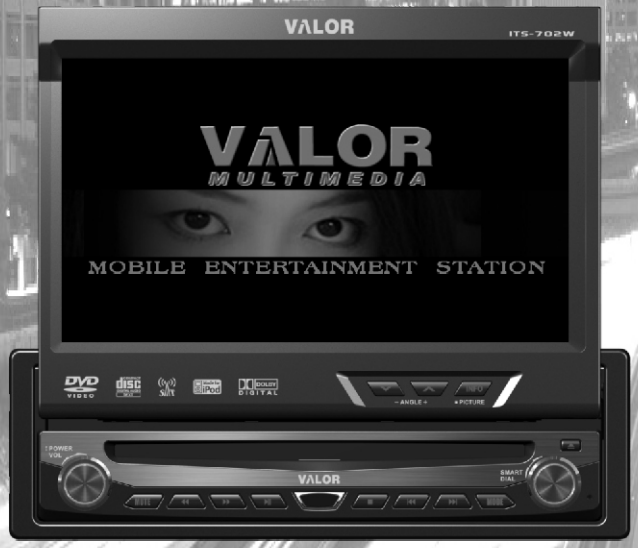
VALOR
MULTIMEDIA

Mobile Multimedia System



VALOR
MULTIMEDIA

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ITS-702W

OWNER'S MANUAL

CONTENTS

Thank you for your choosing our product. We hope you will find the instructions in this user manual clear and easy to follow. If you take a few minutes to look through it, you'll learn how to use all the features of your new ITS-702W for maximum enjoyment.

Preparation • • •

SPECIFICATIONS

CEA Power Ratings

Main Amplifier

Power Output: 15 watts RMS X 4 channels into 4-ohms @ < 10% THD+N
Signal to Noise Ratio: 70dBA below reference. (Reference: 1 watt, 4-ohms)
MAX Power: 35 X 4 watts into 4-ohms, all channels driven
Frequency Response: 20Hz to 20kHz, -3dB. Aux input used as source reference
Reference Supply Voltage: 14.4VDC

DVD/CD Player

Compatible formats: DVD-R, DVD-RW, DVD+R, DVD+RW,
CD-R, CD-RW, CD-DA, MP3, WMA, HDCD, SVCD, VCD,
MPEG, JPEG, MP3/WMA files burned onto a DVD+R/W or
DVD-R/W and CD-R/RW
Signal to Noise Ratio: 85dBA
Dynamic Range: >95dB
Frequency Response: 20Hz to 20kHz, -3dB
Channel Separation: > 60dB @ 1kHz
D/A Converter(s): 6-channel high performance 24-bit, 192kHz, multi-bit Sigma Delta modulation. DAC
Supports sample rates from 8~192kHz.
Electronic Skip Protection (ESP):
DVD: 2-3 sec, CD-DA: 10 sec, MP3: 100 sec, WMA: 200 sec
(ESP time is approximate)
Mechanical anti vibration ability: 10~200Hz, X/Y/Z direction: 1.0G

Video Section

Format: NTSC, PAL (auto-detection)
Output: 1Vp-p (75-ohm), buffered
Input: 1Vp-p (75-ohm)

FM Tuner Section

Tuning Range: 87.5MHz - 107.9MHz
Mono Sensitivity (-30dB): 10dBu
Quieting Sensitivity (-50dB): 15dBu
Alternate Channel Selectivity: 70dB
Signal to Noise Ratio @ 1kHz: 58dB
Image Rejection: 60dB
Stereo Separation @ 1kHz: 30dB
Frequency Response: 30Hz - 15kHz, -3dB

AM Tuner Section

Tuning Range: 530kHz - 1710kHz
Sensitivity (-20dB): 20dBu
Signal to Noise Ratio @ 1kHz: 50dB
Image Rejection: 60dB
Frequency Response: 50Hz - 2kHz, -3dB

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NOTE:

1. certain descriptions in this book may differ from the actual unit.
2. Some pictures or icons in the book may differ from actual display.
3. Specifications subject to change without notice.

PREPARATION

Please read all of the instructions below before beginning your installation. We recommend that you have your unit installed by an experienced 12 volt electronics installer.

Features

- Single DIN size, all-in-one integrated entertainment system.
- Built-in DVD Player, Car specification slot-in mechanism.
- Built-in ISS FM/AM Tuner,
- High resolution 7" (16:9) TFT color monitor, contrast and brightness adjustment, with LCD dot matrix display.
- Built-in 35W X 4 amplifier, 4.1 channel surround sound output.
- Smart Touch-screen operation.
- All functions can be operated by the included remote controls.
- Built-in Satellite Radio Control, Built-in iPod Control.
- Powerful Graphic User Interface and software update ability.

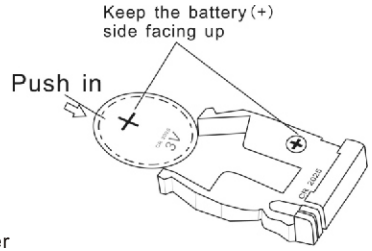
Tools and Supplies

You will need these tools and supplies to install the unit.

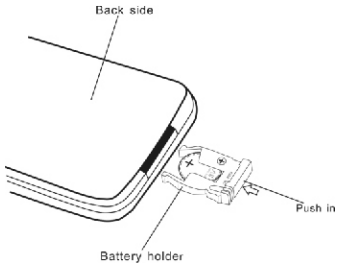
- Torx type, flat-head and Philips screwdrivers
- Wire cutters and strippers
- Tools to remove existing radio (screwdriver, socket wrench set or other tools)
- Electrical tape
- Crimping tool
- Volt meter/test light
- Crimp connections
- 18 gauge wire for power connections
- 16 – 18 gauge speaker wire

WARNING!!

1. Only connect the unit to a 12-volt negative ground system.
2. Never install this unit where operation and viewing could interfere with safe driving conditions.
3. To reduce the risk of a traffic accident (except when using for rear view video camera) never use the video display function while driving the vehicle.
4. To reduce the risk of a traffic accident, never driving with the sound at a level that prevents you from hearing sounds outside around the vehicle.
5. Never disassemble or adjust the unit without the assistance of a professional. For details, please consult your local car stereo specialty shop.
6. To prevent injury from shock or fire, never expose this unit to moisture or water.
7. Never use irregular discs.
8. To prevent damage to the mechanism inside this unit, avoid impact to the TFT monitor.
9. Do not change the fuse on the power wire without professional guidance. Using an improper fuse may cause damage to the unit and result in a fire.
10. The monitor employs an automatic motorized mechanism. To prevent damage to the core mechanism, please do not push, pull or swivel the monitor manually.



Insert the battery holder

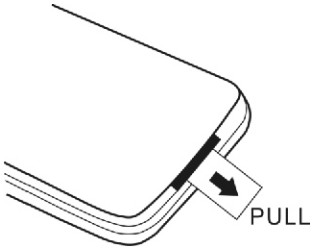


NOTE: Use only one CR2025(3V) lithium battery.
Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
Do not recharge, disassemble, heat or dispose of the battery in fire.
Keep batteries away from children to avoid the risk of accident.

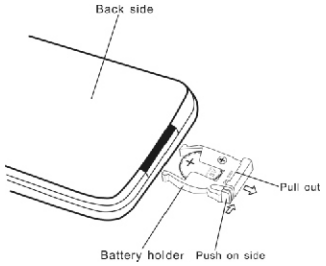
Suggestions

1. Only use a piece of clean silicone cloth and neutral detergent to clean the front panel or monitor. A rough cloth and non neutral detergent (such as alcohol) may result in scratching or discoloration.
2. Keep off water and other liquid things.
3. If the temperature inside the player gets too high, a protective circuit automatically stops playing the disc. And then, please wait for the unit to cool down before operating the player again.
4. Never insert anything other than a 5" (12 cm) compact disc into the player as the mechanism can be damaged by foreign objects.
5. Do not attempt to use a 3" (8 cm) CD-Single disc in this unit, either with or without an adaptor, as it will damage the player and disc. Such damages are not covered by the Warranty on this product.
6. When the vehicle warms up during cold weather or under damp conditions, condensation may appear on the LCD panel. If this occurs, the screen will not operate properly until the moisture has evaporated.
7. We suggest that you should clean the discs used in this unit more frequently than used in your home, because of the environmental conditions of the vehicle.

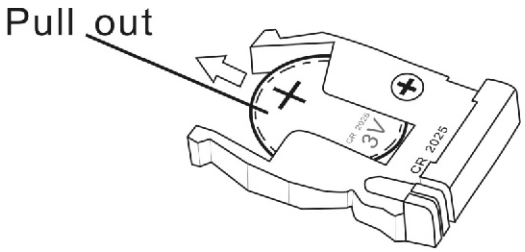
1. When using the remote for the first time, you must pull out the insulation tape.



2. Remove the battery if the remove control is not used for a month or longer.
Remove and dispose of the old battery immediately.
Do not store the battery with metallic materials.
3. Inserting/Replacing the Battery:
Remove the battery holder



Remove the battery from the battery holder



Install the battery

Disconnecting the Battery

To prevent a short circuit, be sure to turn off the ignition and remove the negative (-) battery cable prior to installation.

NOTE:

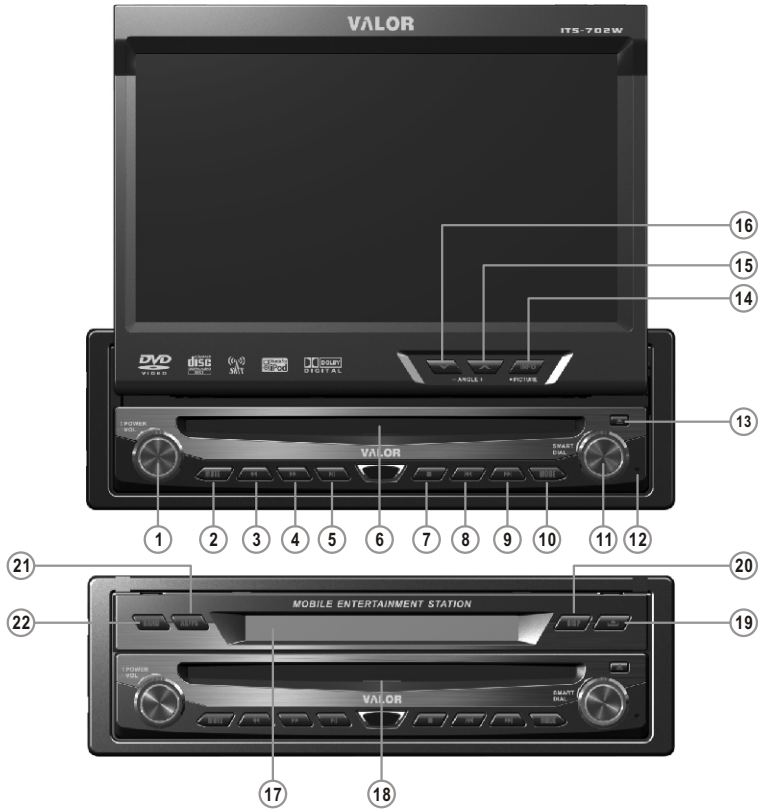
If the unit is to be installed in a car equipped with an on-board drive or navigation computer, do not disconnect the battery cable. If the cable is disconnected, the preset memory may be erased. Under these conditions, use extra caution during installation to avoid causing a short circuit.

NOTE:

It is especially important that you read the WARNINGS and NOTES in this manual.

CONTROLS AND INDICATORS

Button Operation



1.POWER OFF/VOL

Rotary encoder.

Press the encoder to turn on the unit, press and hold to turn off.

Rotate clockwise/counterclockwise to adjust the volume.

Press to enter the audio adjust menu when the unit is on.

2. MUTE

Press the button to mute the volume, and press the button again to restore the volume.

3. PREVIOUS

4. NEXT

5. PLAY/PAUSE

Press to play/pause.

6. DISC SLOT

Error Messages

Message Displayed	Cause	Corrective Action
Loading	Disc is being read	
No Disc	Disc is dirty	Clean disc with soft cloth
	Disc is upside down	Insert disc with label side up
	Disc not present in loading compartment	Insert disc
Bad Disc	Disc is dirty	Clean disc with soft cloth
	Disc is upside down	Insert disc with label side up
Unknown disc	Disc format is not compatible with this unit	
Region Error	DVD is not compatible with region code of unit.	
Error	illegal mechanism operation	Press EJECT key for 5 seconds to reset loading mechanism

Remote control

Remote control does not function	Battery is covered with insulation tape	Pull out the insulation tape
	Battery depleted	Replace battery with new one
	Battery installed incorrectly	Remove battery and install correctly

Flashing image or interference appears on screen	DVD is not compatible with current TV system settings	Change setup to accommodate disc
	Improper video signal connections	Check wiring and correct
Prolonged image or improper height/width ratio display	Improper aspect ratio setup	Use correct aspect ratio setting
Monitor stops at incorrect position	Moving path is blocked	Press OPEN key to restart monitor movement
TUNER		
Weak station searching	Auto antenna is not fully extended	Connect the auto antenna control cable properly
	Auto antenna not properly connected	Connect the auto antenna control cable properly
	LOCAL function is activated	Turn LOCAL function off
DISC		
Cannot insert disc	Disc already inside unit	Eject current disc and insert new one
Disc does not play back	Disc is warped or scratched	Use disc in good condition
	Disc is dirty or wet	Clean disc with soft cloth
	Incompatible disc is used	Use compatible disc
	Disc rating exceeds Parental Lock rating limit	Change Parental Lock settings to lower restriction
	Disc region code is not compatible with unit	Use disc with proper region cod
	Disc is inserted upside down	Insert disc with label side up
Image blurred, distorted, or dark	Disc is illegally copied	Use original disc
PBC cannot be used during VCD playback	PCB is not available on the disc	
No repeat or searching while playing VCD	PCB is on	Turn PCB off
MP3		
Interruption occurred during playback	Disc is dirty or scratched	Clean disc or replace
	File is damaged/bad recording	Recreate disc with good files
Incorrect playback message displayed	Message is longer than LCD can display	

7.STOP.

8.Seek up

9.Seek down.

10.MODE

11. SMART DIAL

Rotary encoder.

Press the encoder to access MAIN menu.

Rotate clockwise/counterclockwise to select a desired item and press to access or confirm.

12. RESET

13. EJECT

Press once for disc insertion/ejection.

14.INFO

Press to display playback information on the screen on DVD mode, if the TFT monitor is closed

DVD playback information will display on the LCD screen.

Press and hold to access the picture setup.

15 ANGLE+

Press the button to adjust the upward tilt angle of the screen one step at a time. Press and hold this button to continuously adjust the upward tilt.

Press this button to adjust the picture settings in picture setup.

16. ANGLE-

Press the button to adjust the downward tilt angle of the screen one step at a time. Press and hold this button to continuously adjust the downward tilt.

Press this button to adjust the picture settings in picture setup.

17. LCD DISPLAY

18. DISC INDICATOR LIGHT

It is blue when there is no disc in the slot, otherwise, it is red.

19. OPEN

Press the OPEN button to activate the motorized system and move the TFT monitor into viewing position.

Press again to close the TFT.

20. DISP

Press to display system information on the front LCD screen when the main screen is closed.21.

21.AS/PS (Auto store/program scan)

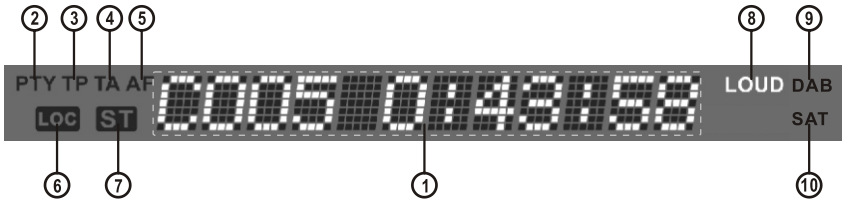
Press to auto store strong radio stations in the 12 preset channels in the current band.

Press and hold to start to scan radio stations.

22. BAND

Press to switch between FM and AM.

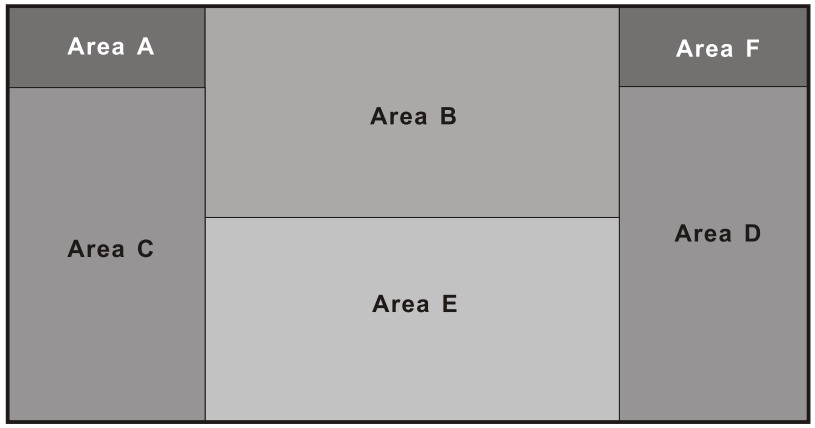
LCD Display / Indicators



1.Main display area, displays the time, tuning frequency and other text information.
2.Program Type (PTY) indicator
3.Traffic Program (TP) indicator
4.Traffic Announcement (TA) indicator
5.Alternative Frequency (AF) indicator
6.Local indicator, Indicates the local radio station seeking function is activated or not
7.Stereo broadcasting indicator, Indicates the radio is in stereo mode or not
8.Loudness indicator, Indicates the LOUD function is activated or not.
9.Digital audio broadcast (DAB) indicator
10.Satellite (SAT) radio indicator

The key areas of touch screen

The touch key areas are outlined below, for DVD, VCD mode and all other operating modes.



A — Return to MAIN menu
B — DISP key: Displays playing information
C — Select previous chapter
D — Select next chapter
E — Display the on-screen control keys, according to different playing mode.
F — Display the GOTO search menu on DVD/VCD mode.

TROUBLESHOOTING

Problem	Cause	Corrective Action
GENERAL		
Unit will not power on	Radio Fuse blown	Install new fuse with correct rating
	Car battery fuse blown	Install new fuse with correct rating
	Illegal operation	Press the RESET button located in the bottom right corner of the front panel
No/low audio output	Improper audio output connection	Check wiring and correct
	Volume set too low	Increase volume level
	Improper “MUTE” connection	Review wiring diagram and check “MUTE” connection
	Speakers damaged	Replace speakers
	Heavily biased volume balance	Adjust the channel balance to the center position
	Speaker wiring is in contact with metal part of car	Insulate all speaker wiring connections
Poor sound quality or distortion	Unauthorized disc is in use	Use original copy
	Speaker power rating not compatible with unit	Connect proper speakers
	Speaker is shorted	Check speaker contact
Tel-Mute malfunction	“MUTE” wire is grounded	Check that “MUTE” connection is not grounded and that it’s properly insulated
Unit resets itself when engine is off	Incorrect connection between yellow memory wire and positive battery wire	Check wiring and correct
TFT MONITOR		
Monitor does not open automatically	TFT Auto Open is turned off	Turn TFT Auto Open on
No image	Incorrect connection to parking brake wire	Check wiring and correct
	PARKING is activated and parking brake is not engaged	Stop vehicle in safe place and apply parking brake

Auto Scan

Touch the SCAN button to automatically scan the available channels of all categories.

Manual Scan

Touch the PAGE - / PAGE + to scan the previous/next available page of channels.

Touch the ⏮ / ⏭ to scan the previous/next available channel of current category.

Storing a Channel

1. Select a band (if needed), then select a channel.
2. Touch and hold an on-screen preset channel for three seconds. The storing process is complete.

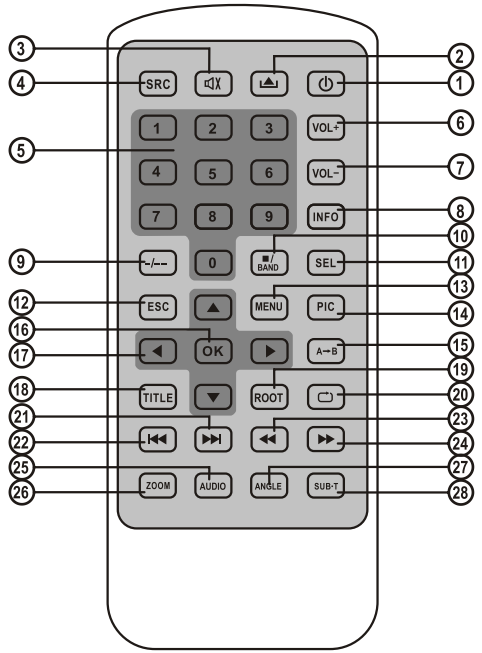
Recalling a channel

12 numbered preset channels store and recall channels for each band. Front 6 stored channels (1-6) for the current band appear on the screen, touch the channel directly or use the numeric buttons on the remote control.

You can touch the arrow buttons (⏮ ⏭) on the screen to select other channels.

REMOTE CONTROL

Front Zone Remote Control



Name	Ref #	Signal	Function
Power	1	⏻	Turns the power on/off
Open	2	⏏	Open/close the TFT monitor
Mute	3	🔇	Toggles on/off audio output
SRC	4	SRC	Selects playing mode
Numeric button	5	1 2 3 4 5 6 7 8 9 0	Directly access chapter/track/preset station for current band
VOL up	6	VOL+	Increase volume
VOL down	7	VOL−	Decrease volume
Information	8	INFO	Displays playing information
GOTO search	9	-/--	Search function in the VCD/DVD disc
Stop/Band	10	■/BAND	Selects FM/AM band on Tuner mode Stop playback on other mode
Select	11	SEL	Enter the audio setting
ESC	12	ESC	Exit the current menu
Menu	13	MENU	Enters the main menu of system
Picture	14	PIC	Parameter of TFT setting
Repeat AB	15	A→B	Setup to repeat playback from time frame A to time frame B
OK	16	OK	Starts/pauses playback or confirm settings
Direction buttons	17	◀ ▶ ▲ ▼	Up/down/left/right to select items for setting

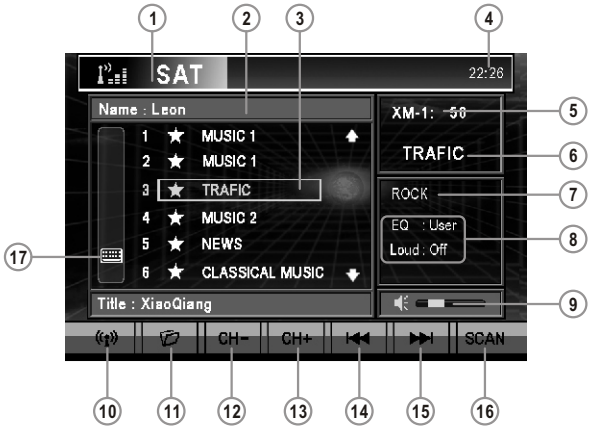
Name	Ref #	Signal	Function
Title	18	TITLE	Enter the title menu
Root	19	ROOT	Enters the main menu of the disc Turn on PBC when playing VCD
Repeat	20	↻	Repeat playback of current chapter
Next	21	▶▶|	Selects the next chapter/track for playback Searches an available radio station by increasing tuning frequency
Previous	22	|◀◀	Selects the previous chapter/track for playback Searches an available radio station by decreasing tuning frequency
Fast Reverse	23	◀◀	Fast reverse the disc content; tune frequency backward one step on tuner mode
Fast Forward	24	▶▶	Fast forward the disc content; tune frequency forward one step on tuner mode
Audio	25	AUDIO	Change the audio language for disc playback
ZOOM	26	ZOOM	Zooming in/out on an image
Angle	27	ANGLE	Plays back disc in different angel for a scene
SUB Title	28	SUB·T	Language selection for subtitle

SATELLITE RADIO OPERATION

Accessing SATTELLITE RADIO Mode

To switch to SATELLITE RADIO mode, press the **SRC** button on the front panel or the (**SRC**) button on the remote control until SAT appears at the top of the screen. The touch keys for SATELLITE RADIO playback are described below.

NOTE: An optional Terk XM Direct Universal Tuner box and XM Antenna is required to receive XM Radio, along with a subscription to XM Radio. Check with your dealer for these optional Devices.



1. Current source indicator, touch this area to access MAIN menu.
2. The artist information of the channel the playing back currently.
3. The preset channel currently playing back.
4. Current time indicator.
5. Current Band and channel number indicator.
6. Current channel name indicator.
7. Current channel category indicator.
8. Playback information.
9. The volume indicator.
10. : Touch to change among the following bands: SAT, SAT-1, SAT-2, SAT-3.
11. : Touch to open the category folder list.
12. Touch to scan to the previous channel.
13. Touch to scan to the next channel.
14. : Touch to scan the previous available channel of current category.
15. : Touch to scan the next available channel of current category.
16. : Touch to activate/deactivate Scan Mode.
17. : Touch to display the numeric keypad on the screen to access a channel directly.

when you press the button, the touch screen will display the following.

The TFT displays the root directory list classified in the iPod, from which you can select your favorite songs.

You can choose a play list from your iPod play lists and then select a song to listen to.

Playback of video on iPod

For playback of video on iPod, press the button to enter, the touch screen will display the following.

If there are videos on iPod, you will regain control of your iPod by use of the ClickWheel. Using your iPod, select your video of choice. Press play on the iPod to start playback. To end playback, press the MENU button on your iPod. Ensure your iPod TV OUT setting is turned ON. Otherwise there will be nothing on the display.

However, you can return to listen to your music by pressing the button again.

TFT MONITOR OPERATION

Open/Close TFT Monitor

Press the (⏏) button on the front panel or on the front zone remote control to open/close the Monitor.

TFT Monitor Auto Open

If “TFT Auto Open” is “On”, when the unit is turned on, the monitor automatically opens to the last viewing position, and closes automatically when the unit is turned off.

If “TFT Auto Open” is “Off”, when the unit is turned on, the monitor will not open automatically, but will close automatically when the unit is turned off. You can press the (⏏) button on the front panel or on the remote control to move the monitor into the desired viewing position.

If “TFT Auto Open” is “Manual”, when the unit is turned on or turned off, the monitor has no Movement.

See “General setting” for details.

Monitor Tilt Angle Adjustment

The monitor angle can be adjusted for optimum viewing using one of the following methods:

Press the (^) or (v) buttons on the front panel to adjust the tilt angle of the screen one step at a time.

Press and hold the (^) or (v) buttons to continuously adjust the tilt angle. Adjust the “Screen Tilt” in the “Screen setting” to adjust the tilt of the screen to the desired degree.

Rear Camera Mode

When the vehicle is placed in "Reverse", and an optional rear camera is connected to the unit, the TFT monitor will automatically switch to the camera input source.

Image Setting

Video Output Format

The table below shows the video output format for each source.

Video Output Format

Name	Video Output Format
FM/AM TUNER	RGB Mode
DVD	RGB Mode
NAVI	RGB Mode
AV IN	CVBS Mode
TV	CVBS Mode
CAMERA	CVBS Mode
iPod(video)	CVBS Mode
SAT	RGB Mode

*CVBS-- Composite Video Base band Signal

Adjustable Parameters

While on RGB mode, the only parameter that can be adjusted is brightness (BRIGHT). To access “PICTURE”, “COLOR”, “CONTRAST”, and “TINT” you must be on CVBS mode.

Parameter Adjustment Procedure

1. Enter Picture Quality Setting Mode:

Press the **PIC** button on the remote or press and hold the **INFO** button on the front panel of the Unit.

2. Select Items to Set:

Press the (▲/▼) buttons on the remote or rotate the **SMART DIAL** button clockwise/anticlockwise to select an item.

3. Set Parameters:

Press the (◀/▶) buttons on the remote or press the **ANGLE** button (▲/▼) on the front panel to Adjust the selected feature to the desired setting.

4. Exit Picture Quality Setting Mode:

Press the **PIC** button on the remote or press and hold the **INFO** button on the unit.

NOTE: A video source must be connected to the AUX input and be playing to access the above Adjustments.

Parking Brake Interlock

1. When the “PARKING” wire on the unit is connected to the brake switch, the display on the TFT monitor will display video only when the vehicle is stopped and the parking brake is applied.
2. Parking brake function is overridden when the video source is set to CAMERA.
3. When the “parking brake interlock” is active, the front monitor displays a caution message with a blue background, preventing the driver from watching video while driving to reduce the risk of a traffic accident. Rear video screens are not affected.

Please see “INSTALLATION SECTION” for installation.

Monitor Movement Mechanism

If an obstruction occurs on the monitor path, the motion will stop automatically to prevent damage for the mechanism or monitor.

Normal operation is resumed by pressing the **OPEN** button (⏏) or restart the unit while “TFT Auto Open” is “On”.

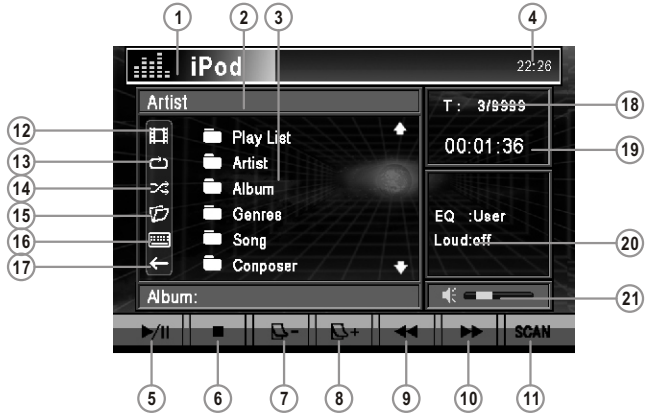
iPod OPERATION

Accessing iPod Mode

1. To switch to iPod mode, press the **SRC** button on the front panel or the (**SRC**) button on the remote control repeatedly until iPod appears at the top left corner of the screen.
2. Select the Main menu, then touch the iPod icon to select iPod as your source.

iPod Instructions

The touch keys on the screen for iPod playback are described below.



1. Current source indicator, touch this area to access MAIN menu.
2. Disk title
3. Track title
4. Current time
5. ▶/II : Touch to play/pause disc playback
6. ■ : Touch to stop disc playback
7. : Touch to turn to the previous page
8. : Touch to turn to the next page
9. ◀◀ : Touch to fast backward current track
10. ▶▶ : Touch to fast forward current track
11. SCAN : Touch to activate/deactivate Scan Mode
12. : Touch to wait for iPod video/photo
13. : Touch to activate/deactivate Repeat Single Mode
14. : Touch to activate/deactivate Random Mode
15. : Touch to access root directory list
16. : Touch to display track list
17. : Touch to display a numeric keypad on the screen to access a track directly.
18. Current track and total number of tracks on disk
19. Elapsed playing time
20. Playback information
21. Volume indicator

9. : Touch to display previous folder
10. : Touch to display next folder
11. : Touch to fast forward current track
12. : Touch to activate/deactivate Repeat Single Mode
13. : Touch to activate/deactivate Random Mode
14. : Touch to display the numeric keypad on the screen, and use it to access a track directly.
15. The disk format indicator, display the current track and total number of tracks on disk
16. Elapsed playing time
17. playback information
18. Volume indicator

Playing MP3/WMA Files

After inserting a MP3/WMA disc, files will play in the sequence of the all directory. In playing back, you can press the numeric button on the remote control or touch a track directly to play.

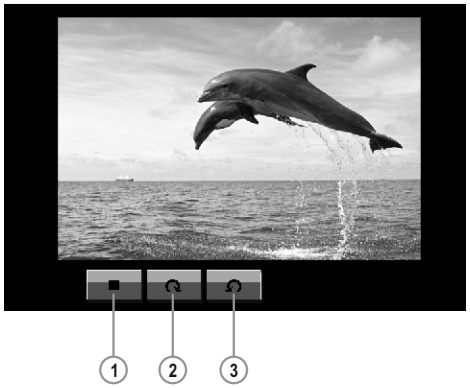
Change Directory

Touch the or on the screen to navigate through the directories/folders.

Previous/Next Page

Touch the or on the screen to navigate through the pages/files.

JPEG Discs



1. Stop playback and return to the picture list
2. Rotate picture clockwise 90°
3. Rotate picture anticlockwise 90°

OPERATION INSTRUCTIONS

Power On / Off

Press the **POWER OFF /VOL** button to turn the unit on. The buttons on the front of the unit are lightened and “WELCOME” message appears briefly on the LCD screen, and then displays the current mode status. You can also turn on the unit by pressing the **POWER** button (⏻) on the remote control.

Press and hold the **POWER OFF /VOL** button on the front panel for more than 1 second or press the **POWER** button (⏻) on the remote to power off the unit. The monitor is drawn back into the main compartment and the LCD screen displays “BYE BYE”.

NOTE: The operating voltage range is 10.5v~16v. The unit will power off automatically to protect Itself, when the voltage is out of this range.

Playing Source Selection

Press the **SRC** button on the front panel or the (**SRC**) button on the remote to select among the available playing sources: TUNER, Disc, iPod,, AUX IN, CAMERA (rear view video camera), . The selected playing mode is displayed on the TFT or LCD screen.

AUX IN Mode

An external peripheral device can be connected to this unit via RCA cables to the “AUX-IN”.

CAMERA Mode

“CAMERA” mode is only available when the camera is connected and when backing up. To install a rear view video camera, connect the CAMERA video input cable to the rear view camera Output cable.

NOTE: If you have not connected a device to the unit, the source can not be selected. Example: If you have not connected an iPod to the unit, the iPod source will not be available.

Volume Adjustment

To increase or decrease the volume level, turn the **POWER OFF /VOL** on the front panel or press the (**VOL+/ VOL-**) buttons on the remote control. The volume ranges from “0” to “40”. The default volume is “10” when the unit is powered on each time. Default volume memory setup: Rotate **Smart Dial/VOL** knob on the front panel to select volume value and then press and hold the **Menu** button until you hear a single beep. When you hear the beep, Setup is completed.

Audio Control Menu

The Audio Control feature allows you to easily adjust your audio system to meet the acoustical characteristics of your vehicle, which vary depending on the type of vehicle and its measurements. To get the best possible sound quality from your new system, be sure to adjust the settings for the speakers as well. Proper setting of the Fader and Balance enhances the effects of the cabin equalizer.

Accessing the Audio Control Menu

Press the **POWER OFF /VOL** on the front panel once or press the (**SEL**) button on the remote control to enter the “Audio” menu.

Selecting an Audio Feature for Adjustment

Press the (▲/▼) buttons on the remote or press the **POWER OFF/VOL** button on the front panel once to select an audio feature to be adjusted.

Adjusting an Audio Feature

Press the (◀/▶) buttons on the remote or rotate the **POWER OFF/VOL** clockwise/counterclockwise to adjust the selected feature to the desired setting.

Audio Adjustments

Audio Function	Adjustable Range
EQ	User
	Flat
	Jazz
	Pop
	Classical
	Rock
	News
	Urban
	Rave
	Movie
	Techno
BASS	–7 to +7
TREBL	–7 to +7
FADE	–9 to +9
BAL	–9 to +9
SUB	–7 to +7
LOUD	OFF and ON

NOTE: The Bass and Treble levels are only adjustable when EQ is set to “User” mode.

The Loudness function compensates for deficiencies in sound ranges at low levels. When the Loud function is on, LOUD is displayed on the screen.

Exiting the Audio Control Menu

Press and hold the **POWER OFF/VOL** button on the front panel to exit the audio control menu, or

Press the escape arrow on the top right corner of the TFT display.

Press the (**ESC**) button on the remote control to exit the audio control menu.

System Reset

To correct a system halt or other unusual operation, use the tip of a pen to press the **RESET** button located on the front bottom-right corner of the unit. After a system reset, the unit restores the settings before the last power off.

Mute

The volume will be muted when the following cases occur:

• Automatic: When the “MUTE” wire is connected to a cell phone that will output a mute signal to the “MUTE” wire.

• Manual: Press the **MUTE** button on the front panel or the **MUTE** button on the remote to mute The volume from the unit.

NOTE: Press the **MUTE** button again to restore the volume.

Adjusting the volume or using any of the audio set-up features will cancel the mute function.

Playing CD Files

After inserting a CD disc, files will play in the sequence of the all directory. In playing back, you can press the numeric button on the remote control or touch a track on the onscreen directly to play.

Previous/Next Page

Touch the [⊟−] or [⊟+] on the screen to navigate through the pages/files.

Fast backward/fast forward

Touch the [◀◀] or [▶▶] on the screen to fast backward or fast forward play.

MP3/WMA Discs

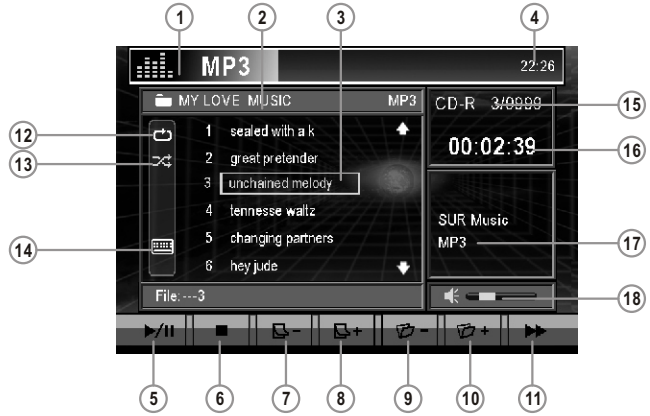
This player allows you to playback MP3 files recorded on CDROM, CD-R, CD-RW, DVD+R/RW and DVD-R/RW. For CD-RW discs, please make sure it is formatted using the full method and not the quick method to prevent illegal disc operation. Use the following settings when compressing audio data for your MP3 disc:

• Transfer Bit Rate: 320kbps

• Sampling Frequency: 48kHz

When recording MP3 up to the maximum disc capacity, disable additional writing. For recording on an empty disc up to maximum disc capacity, use the "Disc at once" setting.

The touch keys for MP3/WMA CD/DVD playback are described below.



1. Current source indicator, touch this area to access MAIN menu.
2. Disk title
3. Track title
4. Current time
5. [▶/II] : Touch to play/pause
6. [■] : Touch to stop disc playback
7. [⊟−] : Touch to turn to the previous page
8. [⊟+] : Touch to turn to the next page

CD/MP3/WMA/JPEG OPERATION

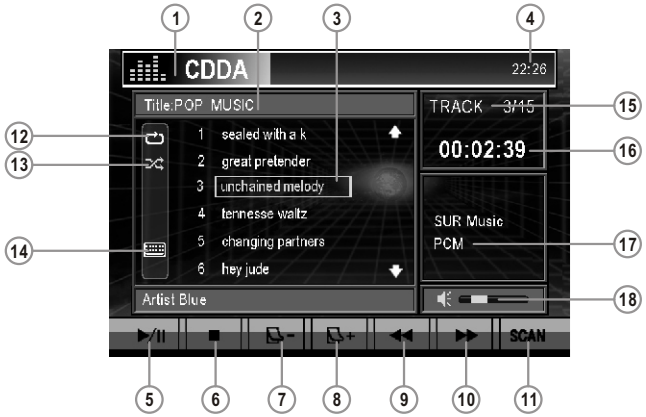
Instructions for Insert/Eject, Play/Pause, Stopping Playback, Track Selection, Fast Forward/Fast Reverse, Scan, and Random Play are the same for DVD, CD and MP3 operation. Please see the DVD Player Operation section for information about these topics.

The file naming formats listed below are compatible with this unit:

- ISO 9660 – file name: 12 characters, file extension: 3 characters
- ISO 9660 – file name: 31 characters, file extension: 3 characters
- Joliet – 64 characters

If the file or folder name does not conform to ISO 9660 file system standards, it may not be displayed or played back correctly.

CD Player User Interface



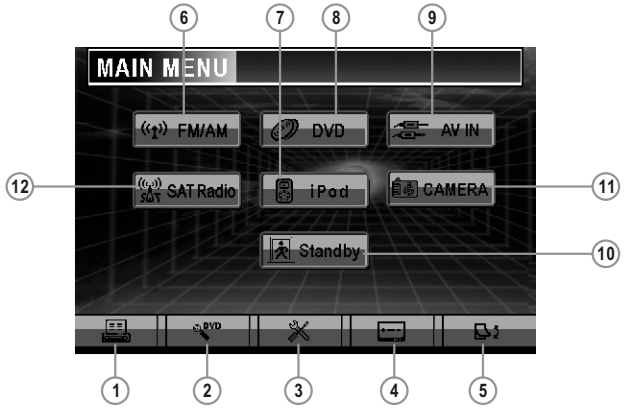
1. Current source indicator, touch this area to access MAIN menu.
2. Disk title
3. Track title
4. Current time
5. : Touch to play/pause
6. : Touch to stop disc playback
7. : Touch to turn to the previous page
8. : Touch to turn to the next page
9. : Touch to fast backward current track
10. : Touch to fast forward current track
11. : Touch to activate/deactivate Scan Mode
12. : Touch to activate/deactivate Repeat Single Mode
13. : Touch to activate/deactivate Random Mode
14. : Touch to display the numeric keypad on the screen, and then you can use the numeric Keypad to access a track directly.
15. Current track and total number of tracks on disk
16. Elapsed playing time
17. Playback information
18. Volume indicator

SYSTEM SETUP MENU

MAIN Menu

There are three methods to access the **MAIN** menu.

- Press the **SMART DIAL** button on the front panel .
- Press the **MENU** button on the remote control.
- Touch the **A area** on the touch-screen.



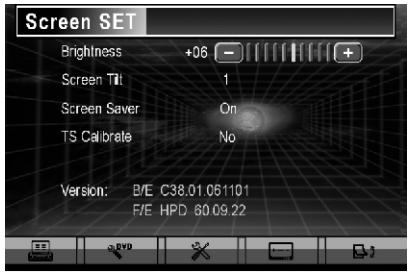
1. Touch to access Front-Zone menu.
2. Touch to access DVD setup.
3. Touch to access ASP setup.
4. Touch to access Screen setup.
5. Touch to turn to the previous menu.
6. Touch to access Tuner mode
7. Touch to access iPod mode
8. Touch to access DVD mode.
9. Touch to access AUX IN mode.
10. Touch to access the Standby mode
11. Touch to access Camera mode.
12. Touch to access SAT mode.

Note: Remote, Smart dial, touch screen operations and buttons on front panel are all useable to select menu and adjust “SETTING”. The following instructions will show the different ways to Access menus and adjustments.

Screen Setting

Accessing the Screen Setup Menu

- Press the **SMART DIAL** on the front panel or press the (**MENU**) button on the remote control to access **MAIN** menu.
- Select the **SCREEN SETUP** button on the bottom of the screen to access the Screen setup.



Selecting a Feature for Adjustment

Press the (◀/▶) buttons on the remote to select a feature to be adjusted.
Rotate SMART DIAL clockwise/counterclockwise to select a feature to be adjusted. Directly Touch the options on the screen to select a feature to be adjusted.

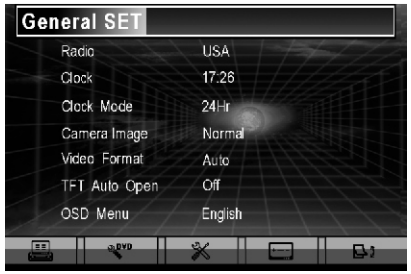
Adjusting a Feature

Setting	Options	Function
Brightness	–10 to +10	Press the (◀/▶) buttons on the remote or rotate the SMART DIAL clockwise/counterclockwise to adjust the Brightness to the desired setting.
Screen Tilt	1–6	Press the (◀/▶) buttons on the remote or touch the (1 to 6) number on the screen directly to adjust the tilt of the screen to the desired degree.
Screen Saver	On	Touch to activate/deactivate the Screen Saver.
	Off	
TS Calibrate	No	Touch “Yes” to enter the touch screen calibrate mode.
	Yes	
Version		The version of this unit.

General setup Menu

Accessing the General Setup Menu

•Select the **TOOLS** button on the bottom of the touch screen to access the General setup.



RATING Menu Features

Setting	Options	Function
Password	----	Enter a 4-digit password to activate the “Rating” feature.
Rating	1. Kid Safe	Select the appropriate rating level for the intended audience. You may override higher ratings by using your password.
	2. G	
	3.PG	
	4. PG-13	
	5. PG-R	
	6. R	
	7. NC-17	
	8. ADULT	
Load Factory	No	Select “Yes” to restore the factory default settings for the DVD setup only (except the password and parental lock setting).
	Yes	

To reset the password, access the “RATING” menu and enter the current password. Once the correct password is entered, you can access the “Password” field and enter a new one.
NOTE: Record the password and keep it in a safe place for future reference. The rating for each disc is marked on the disc, disc packing, or documentation. If the rating is not available on the disc, the parental lock feature is unavailable. Some discs restrict only portions of the disc and the appropriate content will play. For details, please refer to the disc description.

Setting	Options	Function
DVD menu	English 中文	Select the default language which you would like the DVD menu (if applicable) to display
External Subtitle	English Western European Central European	Select the default External language which you would like the subtitle (if applicable) to display.

AUDIO Menu

The unit has a built-in Pink Noise generator to help set the relative speaker levels for multi -channel audio playback.

AUDIO Menu Features

Setting	Options	Function
DRC	Off On	Employ the Dynamic Range Control for better playback at low volumes.
Down Sampling	Off	Normal Output
	On	Audio signal output at 48kHz

NOTE: When Down Sampling is “On”, the audio output signal will be converted to 48kHz. When Down Sampling is “Off”, the original sampling frequency is preserved.

VIDEO Menu

VIDEO Menu Features

Setting	Options	Function
TV Shape (Aspect Ratio)	4:3	Image is presented in wide view with a 4:3 aspect ratio
	16:9	Image is presented in wide view with a 16:9 aspect ratio.
Angle Mark	On	Angle indicator (if applicable) is shown.
	Off	Angle indicator is not shown.
View Mode	FILL	
	Original	
	H FIT	
	W FIT	
	Fit to Scrn	
	Pan Scan	

NOTE: For standard discs not formatted for “widescreen”, use of the 16:9 aspect ratio will result in image distortion.

RATING (Parental Lock) Menu

The DVD system has a built-in parental lock feature to prevent unauthorized persons from viewing restricted disc content. By default, the rating system is unlocked. Once setup, the parental lock is released only by entering the correct password. Once the password is entered, rating is available for setup.

Selecting a Feature for Adjustment

Press the direction buttons on the remote control or touch the option directly on the screen to select the feature to be adjusted.

Adjusting a Feature

1. Enter the option field for the feature you want to adjust by pressing the (**OK**) button on the remote or by pressing the **SMART DIAL** button. A submenu appears in a second row with the selected option.
2. Select a new value by pressing the direction button.
3. Confirm your selection by pressing (**OK**) button or pressing the **SMART DIAL** button. The new value setup is complete.

Adjusting the Clock

1. Access the “Clock” setting under the General Setup menu.
2. Press the direction button on the remote to move the cursor to the “Hour” or “Min” position, and press the (**OK**) button. You also can touch the “Hour” or “Min” position directly. 3. The numeric keypad will pop up.
4. Press the numeric button on the remote control or touch the numeric keypad on the screen to adjust the hour or minutes.
5. Press the (**OK**) button on the remote control or on the keypad of the screen to confirm setup.

Return to normal playback

The system will automatically return the previous playback mode you were in before accessing the setup menu after 10 seconds.

Setting	Options	Function
Radio	USA S-America1 S-America2 Europe Korea China Arabia	Select the appropriate setting based on the country in which you reside.
Clock	(HH:MM)	See “Adjusting the clock” to learn how to set the clock.
Clock Mode	12Hr	Clock displays 12 hour time using AM and PM
	24Hr	Clock displays 24 hour time up to 23:59
Camera Image	Normal	The output of Camera Image is in normal mode
	Reverse	The output of Camera Image is in reverse mode
Video Format	Auto	The video output is switched automatically based on the current disc.
	NTSC	The video output is in the standard NTSC format
	PAL	The video output is in the standard PAL format
TFT Auto Open	On	The TFT panel automatically opens when the unit is turned on.
	Off	You must press the ⏏ button on the TFT panel or the ⏏ button on the remote to open the TFT.
	Manual	The TFT panel will remain in position until the user opens or closes the screen.

Setting	Options	Function
OSD Menu	English	The menus are displayed in English only.

Standby

1. Touch the Standby button on the touch-screen to access Standby mode.
2. In the standby mode, the unit stands in low-power state with audio output only.
3. In the standby mode, you can return to normal screen mode by performing any unit operation.

DVD SETUP MENU

In “DVD Setup” mode, “LANGUAGE”, “AUDIO”, “VIDEO”, “SPEAKER”, and “RATING” (parental lock) are available for setup. This operation can be performed using rotary encoder, the remote control or touch screen.

Accessing the DVD Setup Screen

If DVD is selected as the current playing source, you can access DVD setup screen through following methods:

• Press the **SMART DIAL** on the front panel or touch the area A to access the **MAIN** menu, and then touch the **DVD TOOLS** to access the DVD Setup Screen.

• Press the (**MENU**) button on the remote control, press the direction button to select **DVD TOOLS** and press the (**OK**) button to access.

Accessing a Menu

To access a menu (LANGUAGE, AUDIO, VIDEO, SPEAKER, RATING), press the direction buttons on the remote control to highlight the desired menu. You can also touch the on-screen menu selection to access that menu.

NOTE: Once the DVD setup is complete, the settings are memorized. If you want To restore the factory default settings, please adjust the “Load Factory “in the RATING Menu.(See RATING Menu.)

Selecting a Feature for Adjustment

Once inside a menu, press the (▲/▼) on the remote control or touch the item directly to select the feature to be adjusted.

Adjusting a Feature

1. Enter the option field for the feature you want to adjust by pressing the (**OK**) button on the remote or by pressing **SMART DIAL**. A submenu appears in a second row with the selected option.
2. Select a new value by pressing the (◀/▶) buttons on the remote control or rotate clockwise or counterclockwise the **SMART DIAL**.
3. Confirm your selection by pressing the (**OK**) buttons on the remote control, or press the **SMART DAIL**. The new setup is completed.

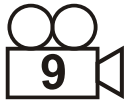
LANGUAGE Menu

If a DVD supports more than 1 Subtitle or Audio language, all the languages are available for selection during playback. If the selected language is not supported by the DVD, then the default language is used. During playback, press the (**SUBT**) or (**AUDIO**) button on the remote control to change the language directly. This will not affect the DVD menu settings.

LANGUAGE Menu Features

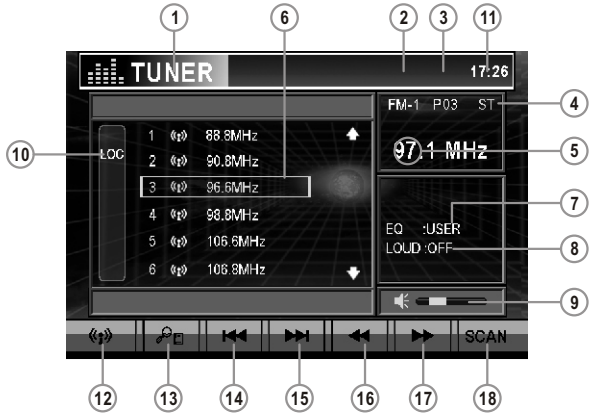
Setting	Options	Function
Subtitle	English	Select the default language which you would like subtitles (if applicable) to display.
	中文	
	Auto	
	Off	
Audio	English	Select the default language which you would like to listen to (if optional).
	中文	

Disc Symbols

Symbol	Meaning
	Number of voice languages recorded. The number inside the icon indicates the number languages on the disc (maximum of 8).
	Number of subtitle languages available on the disc (maximum of 32).
	Number of angles provided (maximum of 9).
	Aspect ratios available. “LB” stands for Letter Box and “PS” stands for Pan/Scan. In the example on the left, the 16:9 video can be converted to Letter Box video.
	Indicates the region code where the disc can be played. • Region 1: USA, Canada, East Pacific Ocean Islands • Region 2: Japan, Western Europe, Northern Europe, Egypt, South Africa, Middle East • Region 3: Taiwan, Hong Kong, South Korea, Thailand, Indonesia, South-East Asia • Region 4: Australia, New Zealand, Middle and South America, South Pacific Ocean Islands/ Oceania • Region 5: Russia, Mongolia, India, Middle Asia, Eastern Europe, North Korea, North Africa, North-West Asia • Region 6: Mainland China • ALL: All regions

TUNER (FM/AM) OPERATION

Tuner TFT display



1. Current Source information, touch this area to return to MAIN menu
2. Current Radio Band Indicator
3. Current Preset Station playing Indicator
4. Stereo Broadcasting Indicator
5. Radio Frequency Indicator
6. Preset Radio Stations: Touch to recall preset stations or touch and hold to store a Station.(Total 12 stations per Band you can preset.)
7. System EQ setting
8. Loud Setting Indicator (7-8 items’ setting method, see “Audio control menu” for instructions.)
9. Volume Indicator.
10. Strong Local Signal Broadcasting Indicator: Touch to activate/deactivate Local function
11. Current time Indicator
12. : Touch to change among the following bands: FM-1, FM-2, FM-3, AM.
13. : Touch to automatically scan and store stations in current radio band. You also can Press the AS/PS button on the front panel.
14. : Touch to seek down.
15. : Touch to seek up.
16. : Touch to tune down one step.
17. : Touch to tune up one step.
18. SCAN : Touch to activate/deactivate Scan Mode

Switch to Radio Tuner source

Press the **SRC** button on the front panel or on the remote control to switch to the **Tuner** source.

Select FM/AM Band

Touch the BAND button on the screen, or press the BAND button (BAND) on the remote Control to change among the following bands: FM-1, FM-2, FM-3, AM.

Auto Tuning

Press the button (⏭) on remote control or touch the button ⏭ on the screen to seek the next available channel by increasing the tuning frequency. Press the button again to stop searching.
Press the button (⏮) on the remote control or touch the button ⏮ on the screen to seek the next available channel by decreasing the tuning frequency. Press the button again to stop searching.

Manual Tuning

Touch the ▶▶ or ◀◀ to increase or decrease the tuning frequency one step.

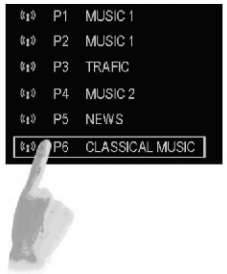
Using Preset Stations

12 numbered preset buttons store and recall stations for each band. First 6 stored stations (P1-P6) for the current band appear on the screen, touch the channel directly to select.
You can touch the arrow buttons ▲ ▲ on the screen to see the other 6 preset stations.

Storing a Station

1. Select a band (if needed), then select a station.
2. Touch and hold an onscreen preset button (6) for three seconds. The preset number appears at the top of the screen.

Recalling a Station

1. Select a band (if needed).
2. Touch an on-screen preset button (6) to select the corresponding stored station.

Auto Store (AS)

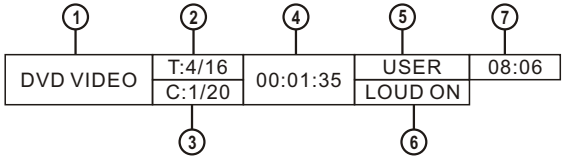
Press the AS/PS button on the panel or touch the button on the screen to automatic scan and store strong radio stations in the 12 preset channels in the current band.

Program Scan (PS)

1. Press and hold the **AS/PS** button on the panel to automatic scan the stations in the 12 preset channels in the current band.
2. Touch the SCAN button on the screen to automatic scan all stations in current band to preview stations.
3. Press any button to stop scan to listen to the selected station.

Local Radio Stations Seeking (LOC)

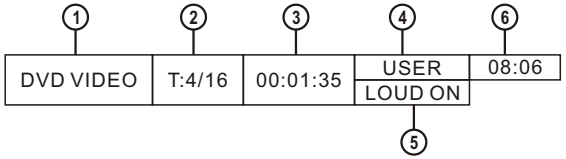
When the Local function is on, only radio stations with a strong signal are tuned. When the Local function is active, “LOC” appears on the screen and an indicator is illuminated.
To activate the Local function in AM/FM tuner mode, touch the LOC button on the screen.
Touch the LOC again to turn the Local function off.



1. indicates Current playing source.
2. Indicates the fourth of 16 titles on the DVD is currently playing.
3. Indicates the first of 20 chapters on the DVD is currently playing.
4. Indicates the playback time of the current title.
5. Indicates EQ setting (or decoding mode when listening to a DVD with 5.1 surround sound.)
6. Indicates the Loud Setting.
7. Indicates the current system time.

VCD Playback Information

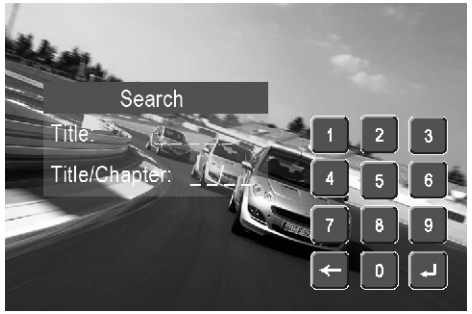
The following information is displayed at the top of the screen during VCD playback:



1. indicates Current playing source.
2. Indicates the forth of 16 tracks on the DVD is currently playing.
3. Indicates the playback time of the current title.
4. Indicates EQ Setting.
5. Indicates the Loud Setting.
6. Indicates the current system time.

General Disc Information

Symbol	12cm Disc Properties	Max Play Time
DVD VIDEO DVD VIDEO	Single side single layer (DVD-5) Single side double layer (DVD-9) Double side single layer (DVD-10) Double side double layer (DVD-18)	(MPEG 2 Method) 133 minutes 242 minutes 266 minutes 484 minutes
COMPACT disc DIGITAL VIDEO	Single side single layer (VCD)	(MPEG 1 Method) 74 minutes
COMPACT disc DIGITAL AUDIO TEXT	Single side single layer	74 minutes



5. Press the **OK** button on the remote control or on the touch screen to go to the specified location on the disc.
6. Press the **GOTO** button on the remote control or touch the F Area on the screen again to exit.

Direct Chapter / Track Selection

During DVD, VCD and CD playback, you can use the numeric keypad on the remote control to access a track directly.

Viewing an Alternate Picture Angle (DVD Only)

Some DVDs contain scenes that have been shot simultaneously from different angles. For discs recorded with multiple angles, press the (**ANGLE**) button on the remote control to toggle available angles of the on-screen image.

Zooming

Press the **ZOOM** button on the remote control to enlarge and pan through the video image using the following options: “Q1”, “Q2”, “Q3”, and “OFF”.

Multi-Language Discs (DVD Only)

Changing Audio Language

If you are watching a disc recorded in multiple languages, press the (**AUDIO**) button on the remote control to choose a language. You also can touch the area E, and then touch the button.

NOTE: During VCD playback, press the (**AUDIO**) button on the remote control to choose between Left Channel, Right Channel, and Stereo.

Changing Subtitle Language

If you are watching a disc recorded in multiple languages with subtitles, press the (**SUBT**) button on the remote control to choose the language in which you would like the subtitles to appear. You also can touch the area E, and then touch the SUB.T button.

Playback Information

During DVD and VCD playback, press the (**INFO**) button on the remote control or touch the area B to display playback information on the screen, including the media playing and current playback time.

DVD Playback Information

The following information is displayed at the top of the screen during DVD playback:

DVD PLAYER OPERATION

NOTE: When properly installed, DVD video cannot be displayed on the main TFT screen unless the parking brake is applied. If you attempt to play a DVD while the vehicle is moving, the TFT screen displays caution information with a blue background. Rear video screens, if applicable, will operate normally.

Opening/Closing the TFT Video Screen

Opening the TFT Screen

To open the TFT video screen, press the (⏏) button on the unit or press the (⏏) button on the remote control.

Closing the TFT Screen

Press the (⏏) button on the unit or press the (⏏) button on the remote control again to close the TFT screen.

Insert/Eject Disc

Inserting a Disc

When inserting a DVD disc, DVD mode is entered and disc play begins.

NOTE: If Parental Lock (Rating) is activated and the disc inserted is not authorized, the 4-digit code must be entered and/or the disc must be authorized (see “RATING (Parental Lock) Menu”). You cannot insert a disc if there is already a disc in the unit or if the power is off.

NOTE: CD-R/RW, DVD-R/RW, DVD+R/RWs will not play unless the recording session is closed.

Ejecting a Disc

Press the button ⏏ on the unit to eject the disc. The unit automatically reverts to Tuner mode at the same time.

Reset the Loading Mechanism

If the disc loads abnormally or does not play properly, press and hold the button ⏏ on the unit to reset the loading mechanism. The disc is ejected and normal operation resumes.

Accessing DVD Mode

To switch to DVD mode when a disc is already inserted, press the **SRC** button on the front panel or on the remote control till DVD appears at the top of the screen.

Using the Touch-Screen Controls

1. Touch to Play/Pause
2. Touch to stop
3. Touch to fast reverse 4. Touch to fast forward
5. Touch to repeat playback
6. Touch to repeat from A to B. Select the repeat point A wherever you want to start and the point B wherever you want to end, then, DVD displays from A to B continually.
7. Touch to switch among LEFT, RIGHT, STEREO.
8. Touch to display Sub-title
9. Touch to return to DVD main menu

Controlling Playback

Stopping Playback

Touch the stop button on the screen or press the (■/BAND) button on the remote control to stop DVD play and touch the play/pause button on the screen or the (**OK**) button on the remote control to resume disc play.

Pausing Playback

Touch the play/pause button on the screen to suspend or resume disc play.

Repeat Playback

Press the **Repeat** button on the screen or on the remote control to alter repeat mode according to the following:

• DVD: Repeat Title, Repeat Chapter, Repeat Off
• VCD (PBC Off): Repeat Single, Repeat Off
• MP3: Repeat Single, Repeat Folder, Repeat Off

NOTE: For VCD play, the repeat function is not available if PBC is on.

PBC (Play back Control) (VCD Only)

For VCD with play back functionality, play back control (PBC) provides additional controls for VCD playback.

Press the (ROOT) button on the remote control to toggle the PBC function “On”/”Off”. Once PBC is on, playback starts from track one of the play list.

NOTE: When PBC is activated, fast forward, slow playback, and previous/next track are available. Repeat and track selection are not available. When PBC is activated, selecting random, scan, or search playback automatically deactivates PBC.

Sectional Repeat Function (A-B)

Use the A-B function to define a specific area of a disc to repeat.

• Press the Repeat A-B button (A→B) on the screen or on the remote control to set the start point (A) of the repeated section.
• Press the Repeat A-B button (A→B) again once you reach the desired end point (B) of the repeated section. The selected portion of the DVD will now repeat continuously.
• Press the Repeat A-B button (A→B) again to cancel the A-B section setting and stop repeat Play.

Accessing the DVD Menu

1. You can touch the area E, and then touch the button to recall the main DVD menu.
2. Use the arrow buttons on the remote to select a title from the menu.
3. Press the (**TITLE**) button on the remote control to select a different title for playback.
4. Press the (**OK**) button on the remote control or touch the item directly to confirm your selection and begin playback.

Moving Through Chapters

Press the (▶▶|) button or the (▶) button on the remote control to advance to the next chapter on the DVD.

Press the (|◀◀) button or the (◀) button on the remote control to move to the previous chapter on the DVD.

Fast Forward/Fast Reverse

Press the (▶▶) button on the remote control or touch the of the area E on the screen to fast forward. Keep pressing or touching and releasing the button to increase the rate from “2X” to “4X”, “8X”, and “20X”.

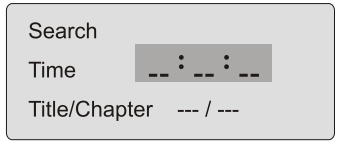
Press the (◀◀) button on the remote control or touch the of the area E on the screen to fast reverse. Keep pressing or touching and releasing the button to increase the rate from “2X” to “4X”, “8X”, and “20X”.

GOTO Search

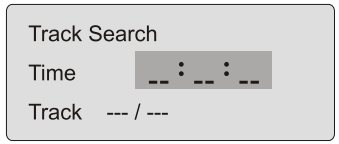
During DVD or VCD playback, perform the following steps to use the GOTO feature to access a specific location on a disc:

1. Press the **GOTO** button on remote control or touch the F Area on the screen to enter “GOTO” mode.
2. Press the (▲/▼) buttons on the remote control to select a category.

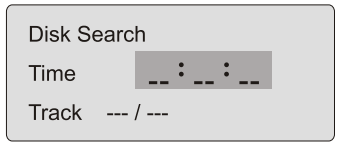
• For DVD mode, you can choose Time or Title/ Chapter search.
• For VCD mode, press the **GOTO** button to choose between Track Search, Disc Search and Exit.



DVD Search
Time---Go to specific time in current title
Title/Chapter---Go to specific time in a chapter



VCD Track Search
Time---Go to specific time in the current track
Track---Go to specific track



VCD Disc Search
Time---Go to specific time on disc
Track---Go to specific track

3. Touch the (__:__:__)/ (--- / ---) area on the screen to display a numeric keypad on the touch screen.
4. Enter a time/Track number into the field using the numeric keypad on the remote control or on the screen.